

NEWTON-IN-MAKERFIELD URBAN  
DISTRICT COUNCIL.

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*MEDICAL OFFICER'S*  
**ANNUAL REPORT,**

FOR YEAR ENDED

DECEMBER 31st, 1905.

STONELEGH,

NEWTON-LE-WILLOWS,

15th February, 1906.

*To the Chairman*

*Newton-in-Makerfield Urban District Council.*

Sir,

I have the honour to submit my annual report for the year 1905.

The population estimated to the middle of the year (1905) was 18,659. The estimate is arrived at by the Registrar-General's method, on the assumption that the rate of increase will continue uniformly as that which occurred between the periods of 1891 and 1901.

The total number of births registered during the year was 566, and the total number of deaths registered (viz., those registered as occurring in the district, and those registered outside of persons belonging thereto) was 286. The natural increase was therefore 280 for the year.

Appended to the report are six tables. Tables I, II, III and IV need no explanation, as they have been in use for some years. Table V, a new table added this year, gives the deaths of infants under 1 year of age belonging to the district, divided into certain diseases, and in weeks to one month, and in months up to one year. The five tables are required by the Local Government Board. The sixth table is the one required by the Secretary of State, and refers to work done under the Factory and Workshops Act. Form C, although not appended, is required by and will be forwarded to, the County Council with a copy of the report.

Table II, as I stated last year, cannot be completed, as the registers for the first two years are not available. The total figures for the wards do not always equal those for the whole district, as the correct residences of persons dying outside the district cannot always be ascertained, and they therefore cannot be placed in the proper wards.

**Births.**—Of the total number registered, 566, there were 277 males and 289 females. Of these 8 were of male and 8 of female illegitimate children.

The birth-rate for the year was 30·33 per 1,000 of the estimated population. For 1904 the rate was 31·9, and the mean rate for the preceding ten years (1895-1904) was 34·42 per 1,000. The rate for the whole of England and Wales for 1905 was 27·2 per 1,000.

Full details of the figures of the preceding ten years, and the average for that period, with the figures for 1905, both for the whole district, and each of the wards, will be found in the appended tables I and II.

The births were distributed in the Wards as follows :—

Wards.	Nos.
Town Hall.....	193
Viaduct .....	121
Crow Lane .....	111
Newton .....	65
Wargrave .....	76
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Total.....	566

**Deaths.**—The total number of deaths registered in the district was 270, 134 males and 136 females. Three of these deaths were of illegitimate children under one year of age—2 males and 1 female. Included in the total also was the death of one illegitimate child over one year of age.

The death-rate for the year was 14·47 per 1,000 of the estimated population for deaths registered in the district. For 1904 it 14·9, and the mean rate of the preceding ten years (1895-1904) was 15·56 per 1,000.

As deaths belonging to your district have taken place in Public Institutions beyond, they must be added, and those taking place in Public Institutions in the district of persons belonging elsewhere, must be deducted. As there are no such institutions in the district, none can be deducted, and those occurring outside must be added. Sixteen deaths occurred in Public Institutions beyond the district, and these added to those occurring in the district, 270, give a total of 286. It is therefore necessary to form a corrected death-rate.

The sixteen deaths referred to occurred in the following places :—Manchester Royal Infirmary, 1 ; Haydock Cottage Hospital, 1 ; Warrington Infirmary, 1 ; Warrington Fever Hospital, 3 ; Warrington Workhouse, 10 ; thirteen of these deaths were of males and 3 of females.

The corrected death-rate, therefore, was 15·32 per 1,000. For 1904 it was 15·7, and the mean rate for the preceding ten years (1895-1904) was 15·94 per 1,000.

The rate for the whole of England and Wales for 1905 was 15·2 per 1,000.

The totals and rates for the whole district, and for each ward, are given in tables I and II appended.

The deaths occurring in, or belonging to the district, are classified in the following groups of ages :—

Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards
74	51	17	10	90	44
Total...286					



The total deaths under 5 years of age, 125, were 43·7 per cent. of the total deaths ; last year the per centage was 51·5.

Table IV (appended) gives details of the number and causes of death, classified according to disease, age and locality.

**Infant Mortality.**—This rate is arrived at by calculating the proportion of deaths under 1 year of age to 1,000 **registered births**, and not to the estimated population. These deaths numbered 74, and were equal to a rate of 130·7 per 1,000 births. In 1904 the rate was 174, the mean rate for the preceding ten years was 152 per 1,000. The rate for the whole of England and Wales for 1905 was 128 per 1,000 births.

Compare tables I, II, IV and V.

### **Mortality from Zymotic Diseases.**

The total number of deaths from the seven principal Zymotic diseases was 52, and were as follows :—

Smallpox .....	0
Measles .....	22
Scarlet Fever .....	4
Whooping Cough .....	5
Diphtheria and Membranous Croup.	3
Enteric Fever .....	1
Diarrhœa (Epidemic) .....	17
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Total.....	52

For the distribution in the wårds see table IV.

The Zymotic death-rate was 2·78 per 1,000 of the estimated population. Last year, 1904, the rate was 3·35 per 1,000, and the mean rate of the previous ten years was 2·34 per 1,000.

For the whole of England and Wales in 1905 the rate was 1·52 per 1,000.

### **Mortality from Phthisis (Pulmonary Tuberculosis) and other Tubercular Diseases.**

During the year 17 deaths from Phthisis were registered, equal to a rate of ·91 per 1,000. In 1904 the rate was ·93 per 1,000.

From other Tubercular diseases 8 deaths occurred, equal to a rate of ·42 per 1,000. In 1904 the rate was ·77 per 1,000.

From **all** Tubercular diseases 25 deaths occurred, equal to a rate of 1·33 per 1,000, and for 1904 the rate was 1·7 per 1,000.

### **Mortality from Respiratory Diseases.**

Excluding Phthisis 47 deaths occurred, 16 from Bronchitis, and 31 from Pneumonia.

The Respiratory Death-rate was, therefore, 2·51 per 1,000, and for 1904 the rate was 3·57 per 1,000.

### **Uncertified Deaths.**

During the year 10 deaths occurred, and were attributed to the following causes :—

Dentition and Convulsions.....	1
Premature Birth .....	1
Whooping Cough .....	1
Heart Diseases.....	2
Convulsions .....	1
Measles and Bronchitis .....	1
Heart Failure .....	2
Bronchitis .....	1
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Total.....	10

## Violent Deaths.

Seven deaths were registered during the year, and in each case an inquest was held. In one other case, attributed to violence, an inquest and post-mortem were held, and the death was found to be due to natural causes. The seven violent deaths were as follows :—

Injuries to head.....	1
Fracture Arm—Blood Poisoning ...	1
Falling downstairs .....	1
Burns—clothes catching fire .....	1
Falling in house .....	1
Found drowned.....	1
Suicide—coal gas .....	1
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Total ...	7

## Notification of Infectious Diseases.

During the year 245 cases of infectious disease were notified under the Compulsory Notification of Diseases Act, 1889, equal to an infectious sick rate of 13·13 per 1,000. In 1904 the rate was 8·69, and the mean rate of the previous ten years was 7·02 per 1,000.

Twenty-four cases of Pulmonary Phthisis were notified during the year.

The total number of cases notified was 269, whether compulsory or voluntary.

Table III gives full details of the cases, both those compulsorily or voluntarily notified, divided according to disease, age, locality, and removals to hospital.

Deaths from infectious diseases took place as follows :—

Scarlet Fever .....	4
Diphtheria and.....	} 3
Membranous Croup.....	
Enteric Fever .....	1
Erysipelas.....	1
	-----
	9
Phthisis .....	17
	-----
Total.....	26

The following deaths took place in hospital :—

Enteric Fever .....	1	...	Warrington Fever Hospital.
Scarlet Fever and Measles ...	1	...	do. do.
Scarlet Fever and Meningitis.	1	...	do. do.
Phthisis .....	1	...	Warrington Workhouse.
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Total. ....	4		

### Summary and Comments on the Sanitary History of the Year.

The population of your township has been increased by the number of 566 births, and reduced by the number of 286 deaths, giving a “natural increase” of 280 for the year.

The Birth-rate 30·33 per 1000, was a decrease of 1·57 below that of last year, and a decrease also of 3·09 below that of the mean rate of the previous ten years.

The rate for 1905, 30·33 compares favourably with that of the whole of England and Wales (27·2), as it is 3·13 per 1000 higher.



The corrected Death-rate 15·32 per 1000, is ·38 per 1000 lower than that of 1904, it is also ·62 per 1000 lower than the mean rate of the previous ten years. It is however ·12 per 1000 higher than the whole of England and Wales.

The Birth-rate continues to go down, but with the increase of work in the township, and the gradual return of the young adults it should improve.

The Death-rate is lower but not, to my mind, as low as it should be in a district such as yours is. A great many of the deaths were due to Diarrhœa (17), Measles (22), both of which are included in the preventable diseases.

The Infantile Death-rate 130·7, is much more satisfactory than that of last year, viz.: 174. It is also more satisfactory than the mean rate of the previous ten years, which was 152. It, however, still compares unfavourably with that of the whole of England and Wales which for 1905 was 128 per 1000 births.

Proper care on the part of those in charge of young children, with better ventilation of sleeping rooms, and the improvement in sanitary arrangements which is gradually taking place, should account for a satisfactory drop in the death-rates of Infants and young children.

**Infectious Diseases** (excluding Diarrhœa), were again very prevalent throughout the year. Scarlet Fever, as last year, has existed in Epidemic form all through the year. Of the 165 cases notified during the year, 35 were notified in the first quarter, 32 in the second quarter, 43 in the third quarter, and 55 in the fourth quarter. Taking the whole year the wards suffered about equally except the Wargrave ward which had very few cases altogether.

**Measles** existed in severe Epidemic form in the third and early part of the fourth quarters—the disease prevailed almost throughout the township, except the Wargrave ward which had not many cases. The disease itself was of a rather more severe type than usual and in many cases was followed by severe Bronchitis and Pneumonia, and accounted for many deaths.

The epidemic of Scarlet Fever and Measles necessitates a great amount of inspection work of the schools, the school children, and house to house visitation to enquire into the cause of absence from school, and in endeavours to control, if possible, the Epidemics.

The epidemic of Measles was not anticipated, as the township suffered from a severe epidemic of this disease only two years ago, and its reappearance so soon is very much earlier than is usual.

The fact that 113 of the 165 cases of Scarlet Fever were removed to hospital would naturally lead one to expect a much more satisfactory state of affairs, but the mildness of the disease, leads to many being overlooked entirely, and in others a long observation before the cases can be correctly diagnosed.

The epidemics of these two diseases threw such a vast amount of work on the Health Department that it was impossible to carry out thoroughly the inspection work which is usually done during the year—the workshops suffered chiefly in this respect. I may say, however, that these workshops are usually kept in good order and the visits of inspection are more a matter of routine than necessity.

No case of **Smallpox** has occurred during the year.

**Whooping Cough and Chicken Pox** have only occurred a few times and then in isolated places.

**Typhoid Fever** accounted for 4 cases only, all of which were removed to the Fever Hospital. The number of cases was very satisfactory as the climatic conditions last autumn were favourable to the generation of this disease.

The arrangements made for the isolation of the infectious cases is the same as formerly. Smallpox cases will be received at the Liverpool Smallpox Hospital at Fazackerley, and Scarlet and Typhoid Fever and Diphtheria at Warrington Fever Hospital.

The accommodation at the Warrington Fever Hospital has been ample during the year, every case, for which removal was desired, was accepted,

**School Closure.**—During the year special reports have been made to you, and copies sent to the County Council and Local Government Board, advising the closure of the schools mentioned below and for the times stated. In every instance the closure was on account of Measles.

The Manor Infant School—a few days before the summer holidays (by the Managers).

St. Peter's Infants }  
St. Mary's Infants } for 3 weeks from 19th September.

St. Peter's Infants for 14 days (extension) from 2nd October

Earlestown District and Wesleyan (Infants Departments),  
for 3 weeks from October 10th.

Gas Street Infants for 3 weeks from November 13th.

The **Physical Features** of the district have not been altered during the year.



**House Accommodation** has been ample, many houses have been empty, and no case of overcrowding has been brought to my notice. During the year 5 dwelling-houses only have been certified for habitation. The following other buildings have been erected during the year :—Works buildings, warehouses, bank premises, and yeomanry hall.

**Sewage and Drainage.**—All new streets completed during the year have been sewered and drained and connected with the system openers. An additional length of surface water drain has been completed in Ashton Road. A contract has been entered into for the construction of a sewer 350 yards in length along Wharf Road.

In the spring of 1905, the County Medical Officer of Health paid a visit to the Sewage Works, and advised immediate extension of the beds, as the growth of the township has so increased the quantity of sewage that the beds are overburdened, a fact of which you already are well aware. The investigations carried out by the officers of the Royal Commission on sewage treatment were completed in July last. The work of changing and renewing the materials in the contact beds has already been commenced, and the extension of the beds and making of tanks and chambers is about to be put in hand,

No flooding has come to my notice during the year

The amount of sewage flowing down the water courses in your township appears much the same as the last few years.

**Excrement Disposal** is carried out as before, all of which not removed by water carriage—is taken to a depot and sold to farmers as far as possible,



**House Refuse** is carried out by your own men, and the ashpits are regularly emptied. The dry ashes are taken to a tip and covered with fresh soil. The tip in use at present will probably meet the requirements of the township for several years.

**Public Urinal.**—A new urinal of brickwork has been erected in Earle Street, near the Griffin Hotel.

**Street Making.**—I am informed that you have decided to complete nine more private streets, and that the preliminary notices have already been issued.

The **Road Improvements** have not been extensive and have been comprised chiefly of improving the footpaths and removing the cobble stones from some of the old highways.

The fact that many back streets have been obstructed by the erection of walls, fences, sheds, &c., has been brought to your notice and I understand that you are now taking steps which will ensure the removal of these obstructions.

**The Water Supply** of the district is now obtained from your own waterworks. There is now a double set of engines at the works. The chief work carried out during the year has been the completion of the new tower reservoir, from which the district will be supplied in future by gravitation, instead of direct pumping into the mains as before.

Short extensions of the mains have been completed in Birley Street, Collingwood Road, and Rydal Street.

The water itself has been ample in quantity and generally of good quality. There have been some complaints of the sediment which has collected in the low levels and in the blind end of the mains. To obviate this as far as possible these particular places are flushed weekly.

**The places under your supervision**, Lodging, Slaughter, Bake-houses, Dairies, &c., are under constant observation and on the whole are well kept. Defects have been remedied without trouble. No offensive trade is carried on in the township.

**Nuisances** reported have been investigated and remedied without recourse to law. The number reported, &c., are given in your Sanitary Inspector's report which I append.

**Infectious Diseases** are treated in hospital to a great extent. Further particulars of these diseases and hospital accommodation have already received notice in this report.

The methods used in disinfection are Formalin and Sulphur Vapour and the Formalin Spray; the latter is used most especially in the disinfection of rooms occupied by Phthisical patients.

**Unsound Food.**—525 lbs. of unsound fish and meat have been surrendered during the year. 350 lbs. of putrid fish were seized on one occasion. Legal proceedings followed and the owner was fined £2 and costs.

**One House** was reported during the year as unclean; due notice was given to the owner to have it restored and it was done without further trouble.

**Isolation Hospital** site and erection are still under consideration.

**Trade** generally in the township has improved during the year, although it has not yet returned to its normal state. The total number of cases in receipt of parish relief during the year was 1051. Of this number 908 received relief in money and kind, and 143 received medical relief only. Of the total 143 male and 234 female adults and 531 children received relief in money and kind, 25 male and 45 female adults and 73 children received medical relief only.

The arrangement made with the Public Health Laboratory, Manchester, for the examination of morbid products, continues as before, and is of great service in assisting diagnosis in doubtful cases,

### **Factory and Workshop Acts.**

The factories in your township, are the same as recorded last year. Of workshops and workplaces, there are now 68 on the register. The various trades and their numbers will be found in the Sanitary Inspector's report, and the sixth form appended to this report,

The three underground bake-houses which have received their certificates still conform with the Acts requirements,

Extensions have been made to the buildings and shops at several of the factories, notably the Vulcan Foundry and the Paper Mill. The sanitary arrangements at the Printing Works and Vulcan have been completed,

No homework is given out, and no offensive trade is carried on in the township,

The factories and workshops have all been visited during the year; the rooms and shops are usually kept as well as the trade carried on will allow. Painting and limewashing have been done, without attention having been called to the fact, within the time required by the Act,

No wet process is carried on in any workshop, neither is any dangerous trade pursued in the township,

The air space, and ventilation of the various places is sufficient and they have been kept well,

The various orders contained in the Act have been carried out in the workshops and workplaces without any notice being necessary to the occupier.



I now append the annual report of your Sanitary Inspector, in which will be found full details of the work done in his department during the year.

## ANNUAL REPORT OF SANITARY INSPECTOR, 1905.

Town Hall,  
Earlestown,  
Feb. 14th, 1906.

*To the Chairman and members of the  
Urban District Council of Newton-in-Makerfield.*

Gentlemen,

I have the honour to submit to you my Annual Report for the year ending December 31st, 1905.

*Nuisances.*—The following is a description of nuisances dealt with :

Defective sanitary pails	...	...	215
Stopped drains...	...	...	22
Defective privies and ashpits	...	...	10
„ Waste pipes & Gulleys	...	...	10
„ Roofs, Gutters & R.W. pipes			4
Filthy yards and premises	...	...	6
Accumulations of manure	...	...	8
Want of urine guides...	...	...	4
Want of ashpit doors	...	...	18
Other nuisances	...	...	3
			300
Preliminary notices issued	...	...	133
Legal „ „	...	...	4
Complaints received and attended to...			18



In no case was it necessary to institute legal proceedings for abatement.

*Cleansing of Earth-Closets, Privies and Ash-pits.*—The loads dealt with by the Sanitary Department amount to 6800, an increase over the previous year of 202 loads.

The work is still carried out by the Council's own men and horses and is done satisfactorily. Nightsoil, which is removed during the night, is taken to a depot and sold to farmers. House refuse is disposed of by tipping and covering over with soil.

*Conversion of Privies.*—At the Vulcan Engineering Company's Works, the workmen's sanitary conveniences have undergone improvement and reconstruction, pail closets having been replaced by automatically flushed water closets. Two other houses have been converted from privies to the pail system.

*Slaughter-houses*—The slaughter-houses registered, number three, in addition to the Council's premises used for that purpose. The places have been kept without complaint. The Council's slaughter-house has been more used during the year than previously.

*Common Lodging-houses.*—The two houses registered have been reported as satisfactory ; no sickness was notified from either.

*Dairies and Cowsheds.*—The cowsheds are periodically examined and have been found satisfactory. One old cowshed which did not come up to the requirements, was condemned, and a new one to house a dozen head of cattle has been erected in its stead. In one case only, was an occupier of a cowshed required to limewash his premises.

*Public Market.*—Careful attention has been given to the inspection of food exposed for sale on the market place. On two different occasions quantities of fish were condemned, one case being taken before the magistrates. A conviction was obtained and fines to the amount of £2 and costs imposed.

Fish surrendered as unfit for food...	160 lbs.
Meat                   ,,                   ,,                   ...	365   ,,
Fish seized                   ,,                   ...	350   ,,
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Total           ...	875 lbs.

*Infectious Diseases.*—269 cases of infectious disease were notified including Phthisis. Disinfectants are taken to each case on the first visit and advice given where necessary as to the measures to be adopted for isolation. Much time was taken up in visiting and disinfecting owing to Scarlet Fever being continuously prevalent throughout the year.

One hundred and seventeen infectious cases were treated at the Warrington Isolation Hospital; Scarlet Fever 113, and Typhoid 4. The percentage of removals for Scarlet Fever was 68·5 per cent. Typhoid 100 per cent. The average stay in hospital per patient was 43 days. 518 rooms were fumigated and 4 schools were both fumigated and sprayed with Formalin. Spraying, with disinfectants, of houses where Phthisis patients have lived is now carried out after death or removal of patient.

*Factory and Workshop Act, 1901.*—The number of workshops on the register is sixty-eight, classified as follows :

Bake-houses	...	...	...	...	...	17
Dressmakers, Milliners and Tailors	...	...	...	...	...	16
Joiners and Cabinet makers	...	...	...	...	...	4
Workplaces	...	...	...	...	...	4
Boot, Shoe and Clog makers	...	...	...	...	...	16
Cycle, Iron and Tinsmiths	...	...	...	...	...	9
Printers	...	...	...	...	...	2
						—
						68

There are three underground bake-houses with certificates of fitness ; these and the workshops generally have been found satisfactory, and no contravention of the Factory Act observed.

I am, Gentlemen,

Your obedient servant,

HENRY ASHCROFT,  
Sanitary Inspector.

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## SUGGESTIONS FOR FUTURE IMPROVEMENTS.

From the accommodation offered at the Warrington Fever Hospital during the last year, there seems at present no immediate need for such a hospital in your township, I fear that the necessity will recur, and probably the expense of maintenance will not be so great as the expenses incurred during the year in isolating the cases of infectious diseases.

It is my duty to call your attention to the old drains in High Street.

From my experience the last three years in endeavouring to control or arrest Epidemics of infectious disease in the township, I have come to the conclusion that the best way is to make it necessary that all absentees from school should furnish a medical certificate of absence *early*. I am sure that in this way many cases of infectious disease will be discovered and isolated, which would otherwise be quite overlooked ; in fact I see no other way of nipping an epidemic in its early days. This matter you have already had under consideration, and it awaits your further consideration.

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Much of the matter of the report is a repetition of what I have reported before, and may seem redundant. It is necessary, however, for the information of the County Council and Local Government Board, who see no reports during the year, except special reports.

I now append Tables I, II, III, IV, V, and the table required by the Secretary of State referring to the Factories and Workshops.

I have again to record the constant courtesy and assistance of all your officials.

I have the honour to be,

Sir,

Your obedient servant,

HAROLD E. WATKINS,

Medical Officer of Health.



TABLE I.

*Vital Statistics of whole District during 1905 and Previous Years.*  
**Newton-in-Makerfield Urban Sanitary District.**

Year.	Population estimated to middle of each year.	Births.		Deaths under 1 Year of age.		Deaths at all ages.		Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	Deaths at all ages — nett.	
		No.	*Rate.	No.	Rate per 1000 Births regist'd.	No.	*Rate.			No.	*Rate
1895	13,974	471	33·7	70	148	214	14·6	...	...	214	14·6
1896	14,249	500	35·1	57	113	217	15·2	...	...	217	15·2
1897	14,530	538	37·0	100	185	263	18·1	...	...	263	18·1
1898	14,816	536	36·1	84	156	232	15·6	...	...	232	15·6
1899	15,109	550	36·3	110	200	280	18·5	...	...	280	18·5
1900	15,407	556	36·0	74	133	237	15·3	...	6	243	15·7
1901	16,808	494	29·3	81	163	240	14·2	...	8	247	14·6
1902	17,253	603	34·9	73	121	240	13·9	...	12	252	14·6
1903	17,710	617	34·8	85	137	271	15·3	...	17	288	16·2
1904	18,178	580	31·9	101	174	272	14·9	...	15	287	15·7
Averages for years 1895-1904	15,803	544	34·42	83	152	246	15·56	...	...	252	15·94
1905	18,659	566	30·33	74	130	270	14·47	...	16	286	15·32

\*Rates in columns 4, 8 & 12 calculated per 1000 of estimated population.

Area of district in acres (exclusive of area covered by water). 3,081  
 Total population at all ages at census of 1901 ... .. 16,699  
 Number of inhabited houses „ „ ... .. 3,185  
 Average number of persons per house „ „ ... .. 5 $\frac{1}{4}$

Institutions within the district receiving sick and infirm persons from outside the district,	Institutions outside the district receiving sick and infirm persons from the district.	Other Institutions, the deaths in which have been distributed among the several localities in the district
None.	Warrington Workhouse Infirmery. Warrington Fever Hospital. Warrington General Infirmery.	Manchester Royal Infirmery. Haydock Cottage Hospital.

**Is the Union Workhouse within the District?—No.**

TABLE II.

Vital Statistics of separate Localities in 1905 and previous Years.

Newton-in-Makerfield Urban Sanitary District.

Names of Localities.	1.—Whole District.				2.—Town Hall.				3.—Viaduct.				4.—Crow Lane.				5.—Newton.				6.—Wargrave.			
	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 y'r	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 y'r	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 y'r	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 y'r	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 y'r	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 y'r
Year.																								
1895	13974	471	214	70	3219	...	50	19	4109	...	62	24	2240	...	35	11	2478	...	31	9	1925	...	36	7
1896	14249	500	217	57	3505	...	63	19	4043	...	69	11	2379	...	34	12	2478	...	31	9	1840	...	20	6
1897	14530	538	263	100	3675	137	67	31	4030	170	88	32	2538	104	42	11	2459	69	34	13	1827	58	32	13
1898	14816	536	232	84	3697	160	58	26	4088	146	76	28	2594	108	33	11	2515	64	37	7	1920	58	28	12
1899	15109	550	280	110	3841	171	78	32	4153	145	86	45	2604	94	46	17	2495	72	33	8	2014	68	37	8
1900	15407	556	243	74	3924	169	60	20	4267	157	74	19	2678	96	42	15	2519	77	28	9	2017	57	33	9
1901	16808	494	247	81	4369	142	66	26	4566	152	64	21	2863	75	42	13	2736	68	37	11	2273	57	31	8
1902	17253	603	252	73	4623	201	80	26	4602	164	62	22	2960	94	42	14	2697	63	26	4	2369	81	30	7
1903	17710	617	288	85	4978	221	83	31	4569	145	85	22	3062	97	51	14	2689	72	31	6	2410	82	37	12
1904	18178	580	287	101	5397	206	93	45	4626	135	76	27	3079	107	49	16	2622	60	34	7	2452	72	35	6
Averages of years 1895 to 1904.	15803	544	252	83	4122	*175	69	27	4305	*151	74	25	2699	*96	41	13	2568	*68	32	8	2104	*66	31	8
1905	18659	566	286	74	5358	193	81	24	5201	121	80	25	3160	111	55	12	2449	65	35	3	2491	76	33	10

\* Average for 8 years.

TABLE III.

*Cases of Infectious Disease notified during the Year 1905.*

**Newton-in-Makerfield Urban Sanitary District.**

Notifiable Diseases	Cases notified in whole District.						Total Cases notified in each Locality					No. of Cases removed to Hospital from each Locality.				
	At all ages	At ages—years					Town Hall	Viaduct	Crow Lane	Newton	Warrgrave	Town Hall	Viaduct	Crow Lane	Newton	Warrgrave
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65										
Diphtheria .....	22	...	2	4	5	11	5	8	2	3	4	...	...	...	...	...
Membranous Croup ...	5	1	4	...	...	...	...	3	1	1	...	...	...	...	...	...
Erysipelas .....	48	2	2	6	10	25	12	14	2	10	10	...	...	...	...	...
Scarlet Fever .....	165	2	57	94	8	4	48	48	20	35	14	23	40	17	26	7
Enteric Fever.....	4	...	...	1	2	1	3	1	...	...	...	3	1	...	...	...
Puerperal Fever.....	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...
Phthisis .....	24	...	...	6	8	9	4	6	7	4	3	...	...	...	...	...
Totals.....	269	5	63	11	33	51	73	80	32	53	31	26	41	17	26	7

Isolation Hospital :—Fever Hospital, Warrington, and Liverpool Borough Sanatorium (for Small-pox).



TABLE IV.

*Causes of, and, Ages at, Death during Year 1905.***Newton-in-Makerfield Urban Sanitary District.**

Cause of death	Deaths in or be'onging to whole District at subjoined ages							Deaths in or belonging to Localities (at all ages)				
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up- ward.	Town Hall	Via- duct	Crow Lane	Newton	War- grave
Measles ...	22	3	15	4	...	...	...	9	4	7	...	2
Scarlet fever...	4	...	2	2	...	...	...	1	1	1	1	...
Whooping-cough ...	5	4	1	...	...	...	...	...	2	...	...	2
Diphtheria and mem- branous croup ...	3	1	2	...	...	...	...	...	2	...	1	...
Enteric Fever ...	1	...	...	...	...	1	...	1	...	...	...	...
Epidemic Influenza ...	9	1	1	...	1	4	2	5	1	1	1	1
Diarrhœa ...	17	12	4	...	...	...	1	5	9	2	...	1
Enteritis ...	4	4	...	...	...	...	...	4	...	...	...	...
Erysipelas ...	1	...	...	...	...	1	...	...	...	...	1	...
Phthisis ...	17	...	...	4	5	8	...	2	6	4	3	2
Other tubercular diseases	8	3	4	...	...	1	...	1	4	3	...	...
Cancer, malignant disease	11	...	...	...	...	8	3	2	1	3	4	1
Bronchitis ...	16	5	...	...	...	5	6	5	3	4	1	2
Pneumonia ...	31	5	12	2	...	8	4	8	12	6	2	3
Alcoholism cirrhosis of liver ...	5	...	...	...	1	4	...	1	1	1	2	...
Premature birth ...	6	6	...	...	...	...	...	1	...	2	...	3
Diseases and accidents of parturition ...	5	...	...	...	...	5	...	2	2	1	...	...
Heart diseases ...	22	...	...	4	...	17	1	7	5	4	3	3
Accidents ...	6	...	1	...	...	4	1	2	1	...	1	2
Suicides ...	1	...	...	...	...	1	...	...	...	1	...	...
All other causes ...	92	30	9	1	3	23	26	25	26	15	15	11
All causes ...	286	74	51	17	10	90	44	81	80	55	35	33



TABLE V.

*Infant Mortality during Year 1905. Deaths from stated causes in weeks and months under 1 year of age.*

Newton-in-Makerfield Urban Sanitary District.

Cause of Death	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-2 months	2-3 months	3-4 months	4-5 months	5-6 months	6-7 months	7-8 months	8-9 months	9-10 months	10-11 months	11-12 months	Total deaths under one year
All causes—certified...	6	5	4	1	16	6	8	4	7	5	2	4	8	2	4	5	71
" uncertified	1	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	3
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3
Diphtheria : croup ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Whooping cough ...	...	...	...	...	...	2	...	1	1	...	...	...	...	...	...	...	4
Diarrhœa, all forms ...	...	...	...	...	...	...	1	3	2	...	...	1	4	...	...	...	11
Enteritis ...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	2
Gastritis, Gastro-intestinal Catarrh.	...	1	1	...	2	...	1	...	1	...	...	...	2	...	...	...	6
Premature birth ...	3	1	...	...	4	2	...	...	...	1	...	...	...	...	...	...	6
Congenital defects ...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2
Atrophy, debility, marasmus ...	2	2	2	...	6	2	...	...	...	...	...	...	...	...	...	1	8
Tuberculous meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Tuberculous peritonitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Meningitis...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	1
Convulsions	1	...	...	...	1	...	1	...	...	...	1	...	...	...	...	...	3
Bronchitis...	...	...	...	...	...	...	3	...	...	1	1	...	...	...	...	...	5
Laryngitis...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Pneumonia	...	...	...	...	...	...	3	...	...	...	...	1	...	...	1	...	5
Other causes	...	1	1	1	3	...	...	...	2	...	...	2	2	1	2	1	13
Totals	7	5	4	1	17	6	9	4	8	5	2	4	8	2	4	5	74

Births in the year : Legitimate 550, illegitimate 16. Deaths from all causes at all ages 286. Population estimated to middle of 1905, 18,659.

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### 1.—Inspection.

Including Inspections made by Sanitary Inspector or  
Inspector of Nuisances.

Premises.	No. of Inspections	No. of Written Notices	No. of Pros'c'tions
Factories ... (Including Factory Laundries)	131	Nil	Nil
Workshops ... (Including Workshop Laundries)	} 204	Nil	Nil
Workplaces ...			
Homeworkers Premises	Nil	Nil	Nil
Total	335	Nil	Nil

## 2.—Defects Found.

Particulars	Number of Defects			Number of Prosecutions				
	Found	Remedied	Referred to H.M. Inspector					
<i>Nuisances under the Public Health Acts :—</i>								
Want of cleanliness ... ..	}	Nil	Nil	Nil				
Want of ventilation ... ..								
Overcrowding ... ..								
Want of drainage of floors ... ..								
Other nuisances ... ..								
Sanitary accom- modations { insufficient ... ..								
unsuitable or defective ... ..								
not separate for sexes ... ..								
<i>Offences under the Factory and Workshop Act :</i>								
Illegal occupation of underground bakehouse (s. 101) ... ..					}	Nil	Nil	Nil
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)... ..								
Failure as regards lists of outworkers (s. 107) ... ..								
Giving out work to be done in pre- mises which are { unwholesome (s. 108) ... ..								
infected (s. 110) ... ..								
Allowing wearing apparel to be made in premises infected by scarlet fever or smallpox (s. 109) ... ..								
Other offences ... ..								
Total ... ..	Nil	Nil	Nil	Nil				

## 3.—Other Matters.

Class	No.
Matters notified to H.M. Inspectors of Factories —	
Failure to affix Abstract of the Factory and Workshop Act (s. 133) ... ..	} Nil
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (s. 5) {	
Notified by H.M. Inspectors... ..	
Reports (of action taken) sent to H.M. Inspectors... ..	
Other ... ..	
Underground Bakehouses (s. 101) :—	
Certificates granted during the year ... ..	3
In use at the end of the year ... ..	3
Homework :—	
<i>List of Outworkers</i> (s. 107) :—	
Lists received ... ..	Nil
Addresses of outworkers {	} Nil
forwarded to other Authorities ... ..	
received from other Authorities... ..	
<i>Homework in unwholesome or infected premises</i> :—	
Notices prohibiting homework in unwholesome premises (s. 108)... ..	} Nil
Cases of infectious disease notified in homeworkers' premises ... ..	
Orders prohibiting homework in infected premises (s. 110) ... ..	
Workshops on register (s. 131) at the end of the year :—	
Bakehouses ... ..	17
Dressmakers, Milliners and Tailors ... ..	16
Joiners and Cabinet makers ... ..	4
Workplaces ... ..	4
Bootmakers ... ..	16
Cycle, Iron and Tinsmiths .... ..	9
Printers ... ..	2
Total number of workshops on Register... ..	68

